

**REMARKS**

Claims 1, 2, and 4-10 remain in the application for consideration of the Examiner with Claim 3 standing cancelled.

Reconsideration and withdrawal of the outstanding objections and rejections are respectfully requested in light of the above amendments and following remarks.

The Examiner alleges that the title of the invention is not descriptive.

By the instant amendment, the original title has been cancelled, and a new title as been provided that is clearly indicative of the invention to which the claims are directed.

Claim 6 was objected to because of informalities.

By the instant amendment, Claim 6 has been amended taking into consideration the helpful comments of the Examiner.

It is respectfully submitted that Claims 1, 2, and 4-10 are free from informalities.

The drawings were objected to.

This rejection is traversed in part.

By the instant amendment, the specification has been amended to take into consideration the concerns of the Examiner.

However, this objection is traversed.

The Examiner alleges that the specification includes a reference to analog converter 50.

However, this reference is not seen.

Should the Examiner persist in this rejection, clarification as the location of this aspect of the rejection is respectfully requested.

The drawings comply with 37 CFR 1.84(p)(5).

Turning now to the art rejection, Claims 1, 4, 9, and 10 were rejected under 35 U.S.C. § 102(e) as being anticipated by Sakamoto; Claim 1 was rejected under 35 U.S.C. § 102(b) as being anticipated by Blaise; Claims 3 and 5-8 were rejected under 35 U.S.C. § 103 as being unpatentable over Sakamoto; and Claims 6-8 were rejected under 35 U.S.C. § 103 as being unpatentable over Sakamoto in view of Barrett.

These rejections are respectfully traversed.

It is respectfully submitted that Sakamoto does not disclose or suggest the presently claimed including the latch which controls the switch which acts to disconnect to remove the supply from the detector.

Applicants agree with the Examiner that Sakamoto does not disclose this aspect.

However, Applicants traverse the Examiner's allegation that it would be obvious to use the switch to disconnect or remove signals.

Blaise does not disclose or suggest the presently claimed invention including the latch which controls the switch which acts to disconnect or remove the supply from the detector.

By virtue of the fact that this reference was only used to reject Claim 1, the Examiner apparently agrees that this reference has no relevance to the limitations of Claim 3, now in Claim 1.

Barrett does not disclose or suggest the presently claimed invention including the latch which controls the switch which acts to disconnect or remove the supply from the detector.

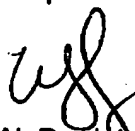
Barrett does not add anything to the above mentioned references.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

To the extent necessary, Applicant petitions for an Extension of Time under 37 CFR 1.136. Please charge any fees in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,



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